03050109-050

(Georges Creek)

General Description

Watershed 03050109-050 is located in Pickens County and consists primarily of ***Georges Creek*** and its tributaries. The watershed occupies 21,104 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Cecil-Madison series. The erodibility of the soil (K) averages 0.25 and the slope of the terrain averages 15%, with a range of 2-40%. Land use/land cover in the watershed includes: 61.3% forested land, 23.0% agricultural land, 14.3% urban land, 0.9% forested wetland (swamp), 0.4% water, and 0.1% barren land.

The Georges Creek watershed drains into the Saluda River near the City of Greenville. Tributaries draining into Georges Creek include Mad Dog Branch, Burdine Creek (Georges Creek Lake), Hamilton Creek (Middle Creek, East Creek), Little Georges Creek, and Crayton Creek. There are a total of 39.5 stream miles and 169.9 acres of lake waters in this watershed, all classified FW.

Surface Water Quality

Station #	Type	Class	Description
S-005	S/W	FW	GEORGES CREEK TRIBUTARY AT S-39-192, 2.6 MILES NE OF EASLEY
S-865	BIO	FW	GEORGES CREEK AT ROAD ABOVE SR 36
S-300	W/INT	FW	GEORGES CREEK AT S-39-28

Georges Creek - There are two SCDHEC monitoring sites along Georges Creek. At the upstream site ***(S-865)***, aquatic life uses are fully supported based on macroinvertebrate community data. Aquatic life uses are fully supported at the downstream site ***(S-300)***; however, there is a significant decreasing trend in dissolved oxygen. Recreational uses are not supported due to fecal coliform bacteria excursions.

Georges Creek Tributary (S-005) –Aquatic life uses are fully supported. There is a significant increasing trend in pH. Prior to 2001, this was a secondary monitoring station and sampling was intentionally biased towards periods with potentially low dissolved oxygen concentrations. A significant increasing trend in dissolved oxygen concentration and significant decreasing trends in five-day biochemical oxygen demand and turbidity suggest improving conditions for these parameters. Recreational uses are not supported due to fecal coliform bacteria excursions.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM / ***FACILITY NAME*** / ***PERMITTED FLOW @ PIPE (MGD)***	***NPDES#*** / ***TYPE*** / ***COMMENT***
GEORGES CREEK	SC0023043
EASLEY/GEORGES CREEK LAGOON	MINOR DOMESTIC

PIPE #: 001 FLOW: 0.82

BURDINE CREEK	SC0001171
ALICE MANUFACTORING/ELLISON PLT	MINOR INDUSTRIAL
PIPE #: 001 FLOW: 0.0004	EFFLUENT
PIPE #: 002 FLOW: 0.017	
HAMILTON CREEK	SC0001155
HOLLINGSWORTH SACO LOWELL INC.	MAJOR INDUSTRIAL
PIPE #: 001 FLOW: 0.066	
HAMILTON CREEK TRIBUTARY	SC0046396
EASLEY SITE TRUST	MINOR INDUSTRIAL
PIPE #: 001 FLOW: 0.0144	

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME	***PERMIT #***
FACILITY TYPE	***STATUS***
HOLLINGSWORTH SACO LOWELL INC.	IWP-144
INDUSTRIAL	---------

Growth Potential

There is a high potential for urban development in this watershed, which contains a portion of the City of Easley. The area north and east of Easley to the Saluda River has been cited in the Appalachian Regional Development Plan as an infrastructure expansion area with potential for both industrial and residential growth. The area where U.S. 123 crosses this watershed is lined with strip shopping centers, fast food restaurants, and large parking areas. Behind this line of fast development are located both residential and industrial areas.